

## 11

laps with a transmission time period of a second pilot burst from a second transmission source of the plurality of transmission sources;

receiving a connection request from an access terminal based on link conditions between the plurality of transmission sources and the access terminal, the connection request comprising a requested data rate for transmissions to the access terminal, the requested data rate representing a maximum data rate for the transmissions to the access terminal; and

transmitting user data to the access terminal at the requested data rate.

**17.** An access point comprising:

a processor; and

memory in electronic communication with the processor, the memory having instructions stored thereon that when executed by the processor cause the processor to: generate a first pilot burst;

transmit the first pilot burst at predetermined time intervals during which no user data is transmitted by a plurality of transmission sources including the access point, the transmission of the first pilot burst being synchronized with a common system time reference, and wherein a time period of the transmission of the first pilot burst at least partially overlaps with a transmission time period of a second pilot burst from a second transmission source of the plurality of transmission sources;

receive a connection request from an access terminal based on link conditions between the plurality of transmission sources and the access terminal, the connection request comprising a requested data rate for transmissions to the access terminal, the requested data rate representing a maximum data rate for the transmissions to the access point; and

transmit user data to the access terminal at the requested data rate.

## 12

**18.** The access point of claim **17**, wherein the access point comprises:

a Global Positioning System (GPS) receiver configured to receive and process one or more signals from a Global Positioning System (GPS) satellite constellation and to provide a signal indicative of the common system time reference using the one or more received signals.

**19.** The access point of claim **17**, wherein the access point comprises:

a controller configured to receive the common system time reference and generate the first pilot burst.

**20.** The access point of claim **17**, wherein the access point is configured to transmit the first pilot burst at or near a maximum transmit power level for the access point.

**21.** An apparatus, comprising:

means for generating a first pilot burst;

means for transmitting the first pilot burst at predetermined time intervals during which no user data is transmitted by a plurality of transmission sources including the apparatus, the transmission of the first pilot burst being synchronized with a common system time reference, and wherein a time period of the transmission of the first pilot burst at least partially overlaps with a transmission time period of a second pilot burst from a second transmission source of the plurality of transmission sources;

means for receiving a connection request from an access terminal based on link conditions between the plurality of transmission sources and the access terminal, the connection request comprising a requested data rate for transmissions to the access terminal, the requested data rate representing a maximum data rate for the transmissions to the access terminal; and

means for transmitting user data to the access terminal at the requested data rate.

\* \* \* \* \*